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Approved for use through 09/30/00. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>		Attorney Docket No. <b>3848-00760</b> Total Pages <b>26</b>	
		First Named Inventor or Application Identifier <b>Duncan P.L. Bathe</b>	
		Express Mail Label No. <b>EV342894648US</b>	
<b>APPLICATION ELEMENTS</b> See MPEP chapter 600 concerning utility patent application contents		ADDRESS TO: Assistant Commissioner for Patents Box Patent Application Washington, D.C. 20231	
1. <input checked="" type="checkbox"/> Fee Transmittal Form (Submit an original, and a duplicate for fee processing)		6. <input type="checkbox"/> Microfiche Computer Program (Appendix)	
2. <input checked="" type="checkbox"/> Specification      [Total Pages <b>16</b> ] (preferred arrangement set forth below) <ul style="list-style-type: none"> <li>- Descriptive title of the Invention</li> <li>- Cross References to Related Applications</li> <li>- Statement Regarding Fed sponsored R &amp; D</li> <li>- Reference to Microfiche Appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings (if filed)</li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul>		7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> Computer Readable Copy</li> <li>b. <input type="checkbox"/> Paper Copy (identical to computer copy)</li> <li>c. <input type="checkbox"/> Statement verifying identify of above copies</li> </ul>	
3. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets <b>5</b> ]		<b>ACCOMPANYING APPLICATION PARTS</b>	
4. Oath or Declaration      [Total Pages <b>2</b> ] <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> Newly executed (original or copy)</li> <li>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))                  (for continuation/divisional with Box 17 completed)                  [Note Box 5 below]             <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u>                      Signed statement attached deleting                      inventor(s) named in the prior                      application, see 37 CFR 1.63(d)(2) and                      1.33(b).</li> </ul> </li> </ul>		8. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))	
5. <input type="checkbox"/> Incorporation By Reference (useable if Box 4b is checked). The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.		9. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney (when there is an assignee)	
		10. <input type="checkbox"/> English Translation Document (if applicable)	
		11. <input type="checkbox"/> Information Disclosure <input type="checkbox"/> Copies of IDS Statement (IDS)/PTO-1449      Citations	
		12. <input type="checkbox"/> Preliminary Amendment	
		13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)	
		14. <input type="checkbox"/> Small Entity <input type="checkbox"/> Statement filed in prior application, Status still proper and desired	
		15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)	
		16. <input checked="" type="checkbox"/> Other: <u>Certificate of Express Mail</u> ..... .....	
17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP)    of prior application No.: _____ / _____			
<b>18. CORRESPONDENCE ADDRESS</b>			
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09/25/03

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PTO/SB/17  
(8/0/97)

# FEE TRANSMITTAL

## COMPLETE IF KNOWN

Application Number	
Filing Date	9/25/2003
First Named Inventor	Duncan P.L. Bathe
Group Art Unit	
Examiner Name	

Total Amount of Payment (\$)  
834.00

Attorney Docket Number  
3848-00760

## METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number  
01.2000

Deposit Account Name  
Andrus, Sceales, Starke & Sawall, LLP

☒ Charge any additional fee required under 37 CFR 1.16 and 1.17  
☐ Charge the Issue Fee set in 37 CFR 1.18 at the Mailing Of the Notice of Allowance, 37 CFR 1.311(b)

3. ☒ Payment Enclosed:  
☒ Check ☐ Money Order ☐ Other

## FEE CALCULATION (fees effective 10/01/97)

1. Filing Fee  
Large Entity Small Entity  
Fee Fee Fee Fee  
Code (\$) Code (\$)

101	750	201	375	Utility filing fee	\$750
106	330	206	165	Design filing fee	
107	480	207	240	Plant filing fee	
108	690	208	345	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) (\$)  
750.00

2. Claims Extra Fee from below Fee Paid  
Total claims 18-20= 0 X =  
Independent 4 - 3= 1 X \$84 = \$84  
Claims  
Multiple Dependent X =  
Claims

Large Entity Small Entity Fee  
Fee Fee Fee Fee Description  
Code (\$) Code (\$)

103	18	203	9	Claims in excess of 20	
102	78	202	39	Independent claims in excess of 3	
104	270	204	135	Multiple dependent claim	
109	82	209	41	Reissue independent claims over original patent	
110	22	210	11	Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$)  
84.00

## FEE CALCULATION (continued)

2. Additional Fees  
Large Entity Small Entity  
Fee Fee Fee Fee

Code	Fee (\$)	Code	Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge-late filing fee or oath	
127	50	227	25	Surcharge-late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for response within first month	
116	400	216	200	Extension for response within second month	
117	950	217	475	Extension for response within third month	
118	1,510	218	755	Extension for response within fourth month	
128	2,060	228	1,030	Extension for response within fifth month	
119	310	219	155	Notice of appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive unavoidably abandoned application	
141	1,320	241	660	Petition to revive unintentionally abandoned application	
142	1,320	242	660	Utility issue fee (or reissue)	
143	450	243	225	Design issue fee	
144	670	244	335	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	240	126	240	Submission of Information Disclosure Statement	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	790	246	395	Filing a submission after final rejection (37 CFR 1.129(a))	
149	790	249	395	For each additional invention to be examined (37 CFR 1.129(b))	

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

SUBTOTAL (3) (\$)  
0

\*Reduced by Basic Filing Fee Paid

## SUBMITTED BY

Type or Printed name  
Peter T. Holsen  
Andrus, Sceales, Starke & Sawall, LLP

Signature  
*Peter T Holsen*

## COMPLETE (if applicable)

Registration Number  
54,180

Date  
9/25/2003

Deposit Account User ID

CERTIFICATE OF EXPRESS MAIL

This is to certify that this correspondence is being deposited with the United States Postal Service as EXPRESS MAIL POST OFFICE TO ADDRESSEE in an envelope addressed to Commissioner of Patents and Trademarks, Washington D.C., 20231 on September 25, 2003. The Express Label is EV342894648US.

Barbara A. Johnson

Name

September 25, 2003

Date

Barbara A. Johnson

Signature

9-25-03

Date